ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 2/1/2023 4:27:44 PM

JOB DESCRIPTION

122822 AM

JOB NUMBER

310-247321-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613



Eurofins Cedar Falls

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All guestions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by Matthew Hummel, Project Manager I Matthew.Hummel@et.eurofinsus.com (319)595-2010

2/1/2023

Client: Clayton County Recycling Project/Site: 122822 AM

Laboratory Job ID: 310-247321-1

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Case Narrative

Client: Clayton County Recycling

Project/Site: 122822 AM

Job ID: 310-247321-1

Job ID: 310-247321-1

Laboratory: Eurofins Cedar Falls

Narrative

Job Narrative 310-247321-1

Comments

No additional comments.

Receipt

The sample was received on 1/3/2023 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 122822 AM (310-247321-1). There was no cooling media present in the cooler.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: 122822 AM (310-247321-1). Elevated reporting limits (RLs) are provided.

Method 8082A: Surrogate recovery for the following sample was outside control limits: 122822 AM (310-247321-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3546: The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: 122822 AM (310-247321-1). The method requires 15g. The amount provided was below this range.

Method 1311: Sample tumbled in plastic due to matrix: 122822 AM (310-247321-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Eurofins Cedar Falls 2/1/2023

Sample Summary

Client: Clayton County Recycling

Project/Site: 122822 AM

Job ID: 310-247321-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-247321-1	122822 AM	Solid	12/28/22 00:00	01/03/23 09:00

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Job ID: 310-247321-1

Project/Site: 122822 AM

Client Sample ID: 122822 AM Date Collected: 12/28/22 00:00

Client: Clayton County Recycling

Lab Sample ID: 310-247321-1

Matrix: Solid

Date Received: 01/03/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1221	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1232	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1242	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1248	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1254	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1260	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
PCB-1268	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
Polychlorinated biphenyls, Total	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	38		11 - 122				01/05/23 09:19	01/12/23 14:12	1
Tetrachloro-m-xylene	50		23 - 123				01/05/23 09:19	01/12/23 14:12	1

Arsenic Barium Cadmium Chromium	<0.200 <0.500 0.130 0.0754	0.200 0.500 0.0200		mg/L mg/L mg/L		01/05/23 09:30 01/05/23 09:30	01/06/23 16:02 01/06/23 16:02	1
Cadmium Chromium	0.130	0.0200		•		01/05/23 09:30	01/06/23 16:02	1
Chromium				ma/l				
	0.0754			g/ =		01/05/23 09:30	01/06/23 16:02	1
Lood	0.0101	0.0200		mg/L		01/05/23 09:30	01/06/23 16:02	1
Lead	1.67	0.100		mg/L		01/05/23 09:30	01/06/23 16:02	1
Selenium	<0.100	0.100		mg/L		01/05/23 09:30	01/06/23 16:02	1
Silver -	<0.0200	0.0200		mg/L		01/05/23 09:30	01/06/23 16:02	1
- Method: SW846 7470A - Mercury (CVAA)	- TCLP							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury <	0.00200	0.00200		mg/L		01/05/23 10:54	01/06/23 13:32	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			01/25/23 14:52	1
Flashpoint (ASTM D92)	>200		65.0		Degrees F			01/04/23 15:44	1
General Chemistry - Soluble									

	General Chemistry - Soluble									
	Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	pH (SW846 9045D)	7.6	HF	0.1		SU			01/03/23 12:26	1

Lab Sample ID: 310-247321-1 Client Sample ID: 122822 AM Date Collected: 12/28/22 00:00 Matrix: Solid Date Received: 01/03/23 09:00 Percent Solids: 60.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.612		0.612		mg/Kg		01/04/23 09:33	02/01/23 12:22	5
PCB-1221	<0.612		0.612		mg/Kg	₽	01/04/23 09:33	02/01/23 12:22	5
PCB-1232	<0.612		0.612		mg/Kg	₩	01/04/23 09:33	02/01/23 12:22	5
PCB-1242	2.91		0.612		mg/Kg	\$	01/04/23 09:33	02/01/23 12:22	5
PCB-1248	<0.612		0.612		mg/Kg	₩	01/04/23 09:33	02/01/23 12:22	5
PCB-1254	<0.612		0.612		mg/Kg	₩	01/04/23 09:33	02/01/23 12:22	5
PCB-1260	<0.612		0.612		mg/Kg	₽	01/04/23 09:33	02/01/23 12:22	5
PCB-1268	<0.612		0.612		mg/Kg	₽	01/04/23 09:33	02/01/23 12:22	5

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2/1/2023

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Client Sample Results

Client: Clayton County Recycling

Job ID: 310-247321-1

Project/Site: 122822 AM

(SW846 9023)

Client Sample ID: 122822 AM Lab Sample ID: 310-247321-1

Date Collected: 12/28/22 00:00 Matrix: Solid

Date Received: 01/03/23 09:00 Percent Solids: 60.8

Surrogate DCB Decachlorobiphenyl (Surr) Tetrachloro-m-xylene		Qualifier S1+	Limits 10 - 149 10 - 147				Prepared 01/04/23 09:33 01/04/23 09:33	Analyzed 02/01/23 12:22 02/01/23 12:22	Dil Fac 5 5
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	<823		823		mg/Kg	— <u>—</u>	01/23/23 13:53	01/24/23 23:25	1

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Lab Chronicle

Client: Clayton County Recycling Job ID: 310-247321-1

Project/Site: 122822 AM

Client Sample ID: 122822 AM

Date Collected: 12/28/22 00:00 Date Received: 01/03/23 09:00

Lab Sample ID: 310-247321-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			376064	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 ¹
TCLP	Prep	3510C			376141	Y6AF	EET CF	01/05/23 09:19
TCLP	Analysis	8082A		1	376653	D2YP	EET CF	01/12/23 14:12
TCLP	Leach	1311			376061	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 1
TCLP	Prep	3010A			376140	QTZ5	EET CF	01/05/23 09:30
TCLP	Analysis	6010D		1	376368	ZRI4	EET CF	01/06/23 16:02
TCLP	Leach	1311			376061	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 1
TCLP	Prep	7470A			376167	XXW3	EET CF	01/05/23 10:54
TCLP	Analysis	7470A		1	376283	DHM5	EET CF	01/06/23 13:32
Soluble	Leach	DI Leach			375958	DGU1	EET CF	01/03/23 10:06
Soluble	Analysis	9045D		1	375981	W9YR	EET CF	01/03/23 12:26
Total/NA	Analysis	D240-87		1	87357	PSC	EET HOU	01/25/23 14:52
Total/NA	Analysis	D92		1	376097	V7KD	EET CF	01/04/23 15:44

Client Sample ID: 122822 AM

Date Collected: 12/28/22 00:00

Date Received: 01/03/23 09:00

Lab Sample ID: 310-247321-1

Matrix: Solid Percent Solids: 60.8

Batch Batch Dilution Batch Prepared Method Number Analyst or Analyzed **Prep Type** Type Run Factor Lab 01/04/23 09:33 Total/NA Prep 3546 376043 GW4G EET CF Total/NA Analysis 8082A 5 378179 BW2O EET CF 02/01/23 12:22 Total/NA Prep 9023 86988 ADL **EET HOU** 01/23/23 13:53 Total/NA Analysis 9023 1 87242 ADL **EET HOU** 01/24/23 23:25

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-247321-1

Project/Site: 122822 AM

Qualifiers

GC Semi VOA

Qualifier **Qualifier Description**

Surrogate recovery exceeds control limits, high biased.

General Chemistry

Qualifier **Qualifier Description**

Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid CNF

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit POI

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Cedar Falls

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Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: 122822 AM

Job ID: 310-247321-1

Laboratory: Eurofins Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-23
Georgia	State	IA100001 (OR)	09-29-23
Illinois	NELAP	200024	11-29-23
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-23
Oregon	NELAP	IA100001	09-29-23

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date 08-04-23	
Arkansas DEQ	State	88-00759		
Florida	NELAP	E871002	06-30-23	
Louisiana	NELAP	03054	06-30-23	
Louisiana (All)	NELAP	03054	06-30-23	
Oklahoma	State	1306	08-31-23	
Texas	NELAP	T104704215-22-48	06-30-23	
Texas	TCEQ Water Supply	T104704215	12-28-25	
USDA	US Federal Programs	P330-22-00025	03-02-23	

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Method Summary

Client: Clayton County Recycling

Project/Site: 122822 AM

Job ID: 310-247321-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9023	Organic Halides, Extractable (EOX)	SW846	EET HOU
9045D	рН	SW846	EET CF
D240-87	Heat of Combustion	ASTM	EET HOU
D92	Flashpoint	ASTM	EET CF
1311	TCLP Extraction	SW846	EET CF
3010A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3546	Microwave Extraction	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
9023	Preparation, EOX	SW846	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET CF

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information				
Client: (ayton Court	4			
City/State: CITY	STATE	Project:		
Receipt Information		id f		
Date/Time Received: DATE 3 23	0750	Received By:		
Delivery Type: QUPS	dEx	☐ FedEx Ground	☐ US Maıl	☐ Spee-Dee
☐ Lab Courier ☐ La	b Field Services	Client Drop-off	Other:	
Condition of Cooler/Containers				
Sample(s) received in Cooler?	Yes (No)	If yes: Cooler ID:		
	Yes No	If yes: Cooler # _		
No	Yes No		tody seals intact? [
Sample Custody Seals Present? \(\subseteq \) No	Yes No	If yes: Sample cu	stody seals intact?[Yes
Trip Blank Present?	Yes 🗷 No	If yes: Which VO	A samples are in co	oler? ↓
Temperature Record	r <u>. </u>			·
Coolant: Wet ice Blue ic	e Dry ice	Other:		ONE
Thermometer ID:		Correction Factor (
Temp Blank Temperature – If no temp blank	ank, or temp blank te	mperature above critéria,	proceed to Sample Con	tainer Temperature
Uncorrected Temp (°C):		Corrected Temp (°		
• Sample Container Temperature		, F.)· 3	الله الشرد
Container(s) used:	_	CONTA	AINER 2	
Uncorrected Temp (°C):				
Corrected Temp (°C):				
Exceptions Noted	· ·	- '- '-	ج. آ ن	•
1) If temperature exceeds criteria, wa	s sample(s) rece	ived same day of sa	mpling? LJ Yes	∐ No
a) If yes: Is there evidence that the	he chilling proces	ss began?	Yes	☐ No
2) If temperature is <0°C, are there o (e.g., bulging septa, broken/cracke			ple containers is co ☐ Yes	mpromised? □ No
Note: If yes, contact PM before proce	eding. If no, proc	eed with login		
Additional Comments			*	
				J

Document CED-P-SAM-FRM45521 Revision 26 Date 27 Jan 2022

Fax: 319 - 277 - 2425 Your PO #: A A A Analyze For: Project Manager: C21702 RCR45 Proj. Mgr. Email: 91,000 CCT YECK Matrix Matrix Proj. Mgr. Email: 91,000 CCT YECK Proj. Mgr. Email: 91	Chick (Specify)	र १	NOTES: Date Time Relinquished by:	Shipped Via:
Clayfro County Recycling Clayfro County Recycling County Social County S	Groundwater Wastewater		NOTE: All turn around times are calculated from the time of receipt at TestAmerica. NOTICE: Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed. NOTE: There may be a charge assessed for TestAmerica disposing of sample remainders. Relinquished by:	Comments: Date Time Temperature Upon Receipt: Laborato
Telephone Number: Sampled by: (Print Name) (Signature)		Sample ID	NOTE: All turn around times are calcula NOTICE; Pre-Arrangements must be with RUSH turn around tim NOTE: There may be a charge assesse Relinquished by:	Shipped Via: Received for TestAmerica by:

Fax 319 - 277 - 2425

Chain of Custody Record

💸 eurofins

Environment Testing 2/1/2023

ĺ	Custody Seals Infact: Custody Seal No.	Relinquished by:	Relinquished by:	Relinquished by:	Empty Kit Relinquished by	Deliverable Requested: I II II IV Other (specify)	Possible Hazard Identification Unconfirmed	Note: Since laboratory accreditations are subject to change, Eurofins Environm laboratory does not currently maintain accreditation in the State of Origin listed accreditation status should be brought to Eurofins Environment Testing North C							122822 AM (310-247321 1)		Sample Identification Client ID (Lab ID)		Sile:	Project Name: 122822 AM	Email:	Prione: 281-240-4200(Tel)	State, Zip: TX, 77477	City: Stafford	Address: 4145 Greenbriar Dr	Company: Eurofins Environment Testing South Centr		Client Information (Sub Contract Lab)	Eurofins Cedar Falls 3019 Venture Way Cedar Falls, IA 50613 Phone: 319-277-2401 Fax: 319-277-2425
		Date/Time:	Date/Time:	Date/Time:		Primary Deliverable Rank		ent Testing North Cent above for analysis/test entral, LLC attention in							12/28/22	\bigvee	Sample Date		SSOW#	Project #: 31001320	WO#:	PO#		TAT Requested (days):	Due Date Requested: 1/31/2023	; 	Phone:	Sampler	
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Corrected Temp. \ 0	Temp: RID:HOU-343	Date/Time:	5/23 /	Date/Time:	Method of Shipment		assessed if samples are retained long Disposal By Lab Archive For	act laboratories. This sample shipment is forwar g North Central, LLC laboratory or other instructic dy attesting to said compliance to Eurofins Enviro										I Number	of co Other	F 7	·		D Niti	B Nac		Job#: 310-24	of Origin:	J No(s)	€ eu
Corrected Temp. \ 0	Temp: RID:HOU-343		5/23 10.	Date/Time:	Method of Shipment		assessed if samples are retained longer th Disposal By Lab Archive For	act laboratories. This sample shipment is forwarded un g North Central, LLC laboratory or other instructions will dy aftesting to said compilance to Eurofins Environment										I Number		_	·		D Nitric Acid	B NaOH		Job#: 310-247321	of Origin:	J No(s)	eurofi
Corrected Temp. \ 0	Temp: IR ID:HOU-343		5/23 10.40AM		Method of Shipment		ples are retained longer than Archive For	act laboratories. This sample shipment is forwarded under cha g North Central, L.C. laboratory or other instructions will be prov dy attesting to said compilance to Eurofins Environment Testing								X		l Number		E 7	J DI Water	Amehlor Ascorbic Acid	Nitric Acid NaHSQ4	NaOH Zn Acetate		Job#: 310-247321 1	of Origin:	Tracking No(s): (COC No: 310-57426.1	eurofins
	Temp: IR ID:HOU-343		5/23 10.40AM		Method of Shipment		1 mo	act laboratories. This sample shipment is forwarded under chain-of-cu g North Central, LLC laboratory or other instructions will be provided. <i>I</i> dy aftesting to said compilance to Eurofins Environment Testing North								×		Number		L EDA	J DI Water W	Arrichlor T 1	NaHSO4 R	NaOH N	Preservation Codes:	Job#: 310-247321 1	of Origin:	J No(s)	
	Temp: IR ID:HOU-343		5/23 10.		Method of Shipment:		assessed if samples are retained longer than 1 month) Disposal By Lab —— Archive For Months	act laboratories. This sample shipment is forwarded under chain-of-custody. When Central, LLC laboratory or other instructions will be provided. Any chail the North Central to the Centra								X V		I Number		L EDA	J DI Water	Arrichlor T 1	NaHSO4 R	NaOH N		310-247321 1	of Origin:	J No(s)	
Corrected Temp. 0	Temp: IR ID:HOU-343		5/23 10.40AM		Method of Snipment:		1 mo	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attenting to said compliance to Eurofins Environment Testing North Central, LLC.								X	T Special Instructions/Note:	Number		L EDA	J DI Water W	Amerikor T	NaHSO4 R	NaOH N	Preservation Codes:	Jub#: 310-247321 1	of Origin:	J No(s)	eurofins Environment Testing

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247321-1

Login Number: 247321 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Creator: Homolar, Dana J		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Not received in a cooler
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247321-1

Login Number: 247321 List Source: Eurofins Houston
List Number: 2 List Creation: 01/05/23 08:04 PM

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 2/1/2023 4:08:54 PM

JOB DESCRIPTION

122822 PM

JOB NUMBER

310-247322-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613



Eurofins Cedar Falls

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 2/1/2023 4:08:54 PM

Authorized for release by Matthew Hummel, Project Manager I Matthew.Hummel@et.eurofinsus.com (319)595-2010

Client: Clayton County Recycling Project/Site: 122822 PM

Laboratory Job ID: 310-247322-1

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Case Narrative

Client: Clayton County Recycling

Project/Site: 122822 PM

Job ID: 310-247322-1

Job ID: 310-247322-1

Laboratory: Eurofins Cedar Falls

Narrative

Job Narrative 310-247322-1

Comments

No additional comments.

Receipt

The sample was received on 1/3/2023 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 122822 PM (310-247322-1). There was no cooling media present in the cooler.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: 122822 PM (310-247322-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010D: The following sample(s) was diluted due to the presence of an interference. >: 122822 PM (310-247322-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3546: The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: 122822 PM (310-247322-1). The method requires 15g. The amount provided was below this range.

Method 1311: Sample tumbled in plastic due to matrix: 122822 PM (310-247322-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

Client: Clayton County Recycling

Project/Site: 122822 PM

Job ID: 310-247322-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-247322-1	122822 PM	Solid	12/28/22 00:00	01/03/23 09:00

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Job ID: 310-247322-1

Client: Clayton County Recycling Project/Site: 122822 PM

pH (SW846 9045D)

Client Sample ID: 122822 PM

Lab Sample ID: 310-247322-1 Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 01/03/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1221	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1232	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1242	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1248	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1254	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1260	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
PCB-1268	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
Polychlorinated biphenyls, Total	<4.00		4.00		ug/L		01/05/23 09:19	01/12/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		11 - 122				01/05/23 09:19	01/12/23 14:25	1
Tetrachloro-m-xylene	47		23 - 123				01/05/23 09:19	01/12/23 14:25	1
Method: SW846 6010D - Metals	(ICP) - TCLP								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Method: SW846 6010D - Metals	(ICP) - TCLP							
Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.600	0.600		mg/L		01/05/23 09:30	01/09/23 15:23	3
Barium	<1.50	1.50		mg/L		01/05/23 09:30	01/09/23 15:23	3
Cadmium	0.202	0.0600		mg/L		01/05/23 09:30	01/09/23 15:23	3
Chromium	<0.0600	0.0600		mg/L		01/05/23 09:30	01/09/23 15:23	3
Lead	1.17	0.300		mg/L		01/05/23 09:30	01/09/23 15:23	3
Selenium	<0.300	0.300		mg/L		01/05/23 09:30	01/09/23 15:23	3
Silver	<0.0600	0.0600		mg/L		01/05/23 09:30	01/09/23 15:23	3
Method: SW846 7470A - Mercury	y (CVAA) - TCLP							
Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200	0.00200		mg/L		01/05/23 10:54	01/06/23 13:34	1

Mercury	<0.00200		0.00200		mg/L		01/05/23 10:54	01/06/23 13:34	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			01/25/23 14:52	1
Flashpoint (ASTM D92)	>200		65.0		Degrees F			01/04/23 15:44	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 310-247322-1 Client Sample ID: 122822 PM Date Collected: 12/28/22 00:00 Matrix: Solid Date Received: 01/03/23 09:00 Percent Solids: 50.6

0.1

7.6 HF

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.141		0.141		mg/Kg		01/04/23 09:33	01/13/23 12:54	1
PCB-1221	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1
PCB-1232	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1
PCB-1242	11.4		2.82		mg/Kg	₩	01/04/23 09:33	02/01/23 13:28	20
PCB-1248	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1
PCB-1254	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1
PCB-1260	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1
PCB-1268	<0.141		0.141		mg/Kg	₽	01/04/23 09:33	01/13/23 12:54	1

Eurofins Cedar Falls

2/1/2023

01/03/23 12:28

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Client Sample Results

Client: Clayton County Recycling

Job ID: 310-247322-1

Project/Site: 122822 PM

(SW846 9023)

Client Sample ID: 122822 PM Lab Sample ID: 310-247322-1

Date Collected: 12/28/22 00:00 Date Received: 01/03/23 09:00 Matrix: Solid Percent Solids: 50.6

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac DCB Decachlorobiphenyl (Surr) 29 p 10 - 149 01/04/23 09:33 01/13/23 12:54 Tetrachloro-m-xylene 22 10 - 147 01/04/23 09:33 01/13/23 12:54 1

General Chemistry									
Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	2370		988		mg/Kg	— <u></u>	01/23/23 13:53	01/24/23 23:25	1

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Lab Chronicle

Client: Clayton County Recycling Job ID: 310-247322-1

Project/Site: 122822 PM

Client Sample ID: 122822 PM

Date Collected: 12/28/22 00:00 Date Received: 01/03/23 09:00 Lab Sample ID: 310-247322-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			376064	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 ¹
TCLP	Prep	3510C			376141	Y6AF	EET CF	01/05/23 09:19
TCLP	Analysis	8082A		1	376653	D2YP	EET CF	01/12/23 14:25
TCLP	Leach	1311			376061	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 1
TCLP	Prep	3010A			376140	QTZ5	EET CF	01/05/23 09:30
TCLP	Analysis	6010D		3	376483	ZRI4	EET CF	01/09/23 15:23
TCLP	Leach	1311			376061	FK4Z	EET CF	01/04/23 14:00 - 01/05/23 06:15 1
TCLP	Prep	7470A			376167	XXW3	EET CF	01/05/23 10:54
TCLP	Analysis	7470A		1	376283	DHM5	EET CF	01/06/23 13:34
Soluble	Leach	DI Leach			375958	DGU1	EET CF	01/03/23 10:06
Soluble	Analysis	9045D		1	375981	W9YR	EET CF	01/03/23 12:28
Total/NA	Analysis	D240-87		1	87357	PSC	EET HOU	01/25/23 14:52
Total/NA	Analysis	D92		1	376097	V7KD	EET CF	01/04/23 15:44

Client Sample ID: 122822 PM

Date Collected: 12/28/22 00:00 Date Received: 01/03/23 09:00

Lab Sample ID: 310-247322-1

Matrix: Solid Percent Solids: 50.6

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3546			376043	GW4G	EET CF	01/04/23 09:33
Total/NA	Analysis	8082A		1	376709	D2YP	EET CF	01/13/23 12:54
Total/NA	Prep	3546			376043	GW4G	EET CF	01/04/23 09:33
Total/NA	Analysis	8082A		20	378179	BW2O	EET CF	02/01/23 13:28
Total/NA	Prep	9023			86988	ADL	EET HOU	01/23/23 13:53
Total/NA	Analysis	9023		1	87242	ADL	EET HOU	01/24/23 23:25

¹ Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-247322-1

Project/Site: 122822 PM

Qualifiers

GC Semi VOA

p The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

General Chemistry

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Cedar Falls

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Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: 122822 PM
Job ID: 310-247322-1

Laboratory: Eurofins Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-23
Georgia	State	IA100001 (OR)	09-29-23
Illinois	NELAP	200024	11-29-23
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-23
Oregon	NELAP	IA100001	09-29-23

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-23
Florida	NELAP	E871002	06-30-23
Louisiana	NELAP	03054	06-30-23
Louisiana (All)	NELAP	03054	06-30-23
Oklahoma	State	1306	08-31-23
Texas	NELAP	T104704215-22-48	06-30-23
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	P330-22-00025	03-02-23

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Method Summary

Client: Clayton County Recycling

Project/Site: 122822 PM

Method **Method Description** Protocol Laboratory 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 EET CF Metals (ICP) 6010D SW846 EET CF 7470A Mercury (CVAA) SW846 EET CF 9023 Organic Halides, Extractable (EOX) SW846 **EET HOU** 9045D рΗ SW846 EET CF D240-87 Heat of Combustion ASTM **EET HOU** D92 Flashpoint ASTM EET CF **TCLP Extraction** SW846 EET CF 1311 3010A Preparation, Total Metals SW846 EET CF Liquid-Liquid Extraction (Separatory Funnel) 3510C SW846 EET CF 3546 Microwave Extraction SW846 EET CF 7470A Preparation, Mercury SW846 EET CF 9023 Preparation, EOX SW846 **EET HOU**

Protocol References:

DI Leach

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Deionized Water Leaching Procedure

Job ID: 310-247322-1

EET CF

ASTM

Eurofins Cedar Falls

🚜 eurofins

Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information						
Client: (Jayton	County					···
City/State:		STATE	Project:			
Receipt Information	*		ষ	,	3	
Date/Time DA DA CONTROL DA	13/23	0750	Received By	y:		
Delivery Type: QUPS	FedEx	(☐ FedEx Gro	ound	☐ US Mail	☐ Spee-Dee
	Courier 🗌 Lab Fi	ield Services	☐ Client Dro	p-off	Other:	
Condition of Cooler/Conta	iners					
Sample(s) received in Co	ooler? Yes	(XNº)	If yes: Coo	ler ID:		
Multiple Coolers?	Yes				of	
Cooler Custody Seals Pre	esent?	√ No	If yes: Coo	ler custody	/ seals intact?	∐ Yes ∐
Sample Custody Seals P No	resent? Yes	No	<i>If yes:</i> San	nple custod	ly seals intact?	Yes 🗌
Trip Blank Present?	☐ Yes	Ø(No	<i>If yes:</i> Whi	ch VOA sa	mples are in co	ooler? ↓
				<u></u>		
Temperature Record				, ,1	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' 	
Coolant:	☐ Blue ice	☐ Dry ice	Other	•	丛	IONE
Thermometer ID:			Correction F			
Temp Blank Temperature	 If no temp blank, in 	or temp blank te	mperature above	criteria, proc	eed to Sample Cor	ntainer Temperature
Uncorrected Temp (°C):			Corrected T	emp (°C):		
• Sample Container Tempe		``		6 31 00124112	· ,	f f
Container(s) used:	CONTAINER 1			CONTAINE	<u>R 2</u>	
Uncorrected Temp (°C):						
Corrected Temp (°C):						
Exceptions Noted		-r	~ 5	. h	.j	۶.
If temperature exceed a) If yes: Is there ev				y of sampli	ing?	□ No □ No
2) If temperature is <0°0 (e.g., bulging septa, b	oroken/cracked b	ottles, frozen	solid?)	of sample	containers is co	ompromised?
NOTE: If yes, contact Pl	M before proceedir	ng. If no, proce	ed with login		1	
Additional Comments	1		1.			
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Chain of Custody Record

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Ver: 06/08/2021		Company	Company X		Company			nth) Months	if-custody. If the d. Any changes to orth Central, LLC.										\mathbb{N}	Special Instructions/Note:		Trizma other (specify)	MCAA pH 4-5	H2SO4 TSP Dodecahydrate	Na2045 Na2503 Na25203	None AsNaO2	Hexane				:3J	
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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247322-1

Login Number: 247322 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Answer	Comment
N/A	
N/A	
N/A	
True	
False	Not received in a cooler
False	Cooler temperature outside required temperature criteria.
True	
N/A	
	N/A N/A N/A N/A True False False True True

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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247322-1

Login Number: 247322 List Source: Eurofins Houston
List Number: 2
List Creation: 01/05/23 08:04 PM

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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PREPARED FOR

ANALYTICAL REPORT

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 2/1/2023 4:14:36 PM

JOB DESCRIPTION

122922 AM

JOB NUMBER

310-247323-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613

Eurofins Cedar Falls

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated 2/1/2023 4:14:36 PM

Authorized for release by Matthew Hummel, Project Manager I Matthew.Hummel@et.eurofinsus.com (319)595-2010 Client: Clayton County Recycling Project/Site: 122922 AM

Laboratory Job ID: 310-247323-1

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Case Narrative

Client: Clayton County Recycling

Project/Site: 122922 AM

Job ID: 310-247323-1

Job ID: 310-247323-1

Laboratory: Eurofins Cedar Falls

Narrative

Job Narrative 310-247323-1

Comments

No additional comments.

Receipt

The sample was received on 1/3/2023 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 122922 AM (310-247323-1). There was no cooling media present in the cooler.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: 122922 AM (310-247323-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010D: The following sample(s) was diluted due to the presence of an interference. >: 122922 AM (310-247323-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3546: The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: 122922 AM (310-247323-1). The method requires 15g. The amount provided was below this range.

Method 1311: Samples tumbled in plastic due to matrix :122922 AM (310-247323-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

Client: Clayton County Recycling

Project/Site: 122922 AM

Job ID: 310-247323-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-247323-1	122922 AM	Solid	12/29/22 00:00	01/03/23 09:00

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Job ID: 310-247323-1

Project/Site: 122922 AM

Client Sample ID: 122922 AM

Date Collected: 12/29/22 00:00 Date Received: 01/03/23 09:00

Client: Clayton County Recycling

Lab Sample ID: 310-247323-1

Matrix: Solid

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - TCLP Analyte Result Qualifier MDL D Prepared Analyzed Dil Fac PCB-1016 <4.00 4.00 01/05/23 09:19 01/12/23 13:21 ug/L PCB-1221 <4.00 4.00 ug/L 01/05/23 09:19 01/12/23 13:21 PCB-1232 <4.00 4.00 ug/L 01/05/23 09:19 01/12/23 13:21 PCB-1242 <4.00 4.00 01/12/23 13:21 ug/L 01/05/23 09:19 PCB-1248 <4.00 4.00 01/12/23 13:21 ug/L 01/05/23 09:19 PCR-1254 <4 00 4 00 01/05/23 09:19 01/12/23 13:21 ug/L PCB-1260 4.00 01/05/23 09:19 01/12/23 13:21 <4.00 F2 F1 ug/L 4.00 01/05/23 09:19 PCB-1268 <4 00 ug/L 01/12/23 13:21 Polychlorinated biphenyls, Total <4.00 F2 F1 4.00 ug/L 01/05/23 09:19 01/12/23 13:21 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate

DCB Decachlorobiphenyl (Surr) 41 11 - 122 01/05/23 09:19 01/12/23 13:21 52 01/05/23 09:19 Tetrachloro-m-xylene 23 - 123 01/12/23 13:21

Method: SW846 6010D - Metals (ICP) - TCLP Analyte Result Qualifier **MDL** Unit D Prepared Dil Fac RL Analyzed Arsenic <0.600 0.600 01/05/23 09:30 01/09/23 15:25 3 mg/L Barium <1.50 1.50 01/05/23 09:30 01/09/23 15:25 3 mg/L 0.0600 01/05/23 09:30 01/09/23 15:25 3 Cadmium 0.184 mg/L Chromium < 0.0600 0.0600 mg/L 01/05/23 09:30 01/09/23 15:25 3 Lead 2 44 0.300 mg/L 01/05/23 09:30 01/09/23 15:25 3 0.300 01/05/23 09:30 01/09/23 15:25 3 Selenium < 0.300 mg/L Silver <0.0600 0.0600 01/05/23 09:30 01/09/23 15:25 ma/L

Method: SW846 7470A - Mercury (CVAA) - TCLP Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed Mercury <0.00200 0.00200 mg/L 01/05/23 10:54 01/06/23 13:36

General Chemistry Analyte Result Qualifier RL RLUnit D Prepared Analyzed Dil Fac BTU/lb BTU (ASTM D240-87) <500 500 01/25/23 14:52 Flashpoint (ASTM D92) >200 65.0 Degrees F 01/04/23 15:44

General Chemistry - Soluble Analyte Result Qualifier RLRLDil Fac Unit D Prepared Analyzed SU pH (SW846 9045D) 7.6 HF 0.1 01/03/23 12:29

Client Sample ID: 122922 AM Lab Sample ID: 310-247323-1 Date Collected: 12/29/22 00:00 **Matrix: Solid** Date Received: 01/03/23 09:00 Percent Solids: 67.6

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac ₩ PCB-1016 <0.109 0.109 01/04/23 09:33 01/13/23 13:06 mg/Kg 01/13/23 13:06 PCB-1221 < 0.109 0.109 mg/Kg Ü 01/04/23 09:33 PCB-1232 < 0.109 0.109 mg/Kg ₽ 01/04/23 09:33 01/13/23 13:06 01/04/23 09:33 02/01/23 12:47 PCB-1242 2.04 0.544 mg/Kg ä PCB-1248 <0.109 0.109 mg/Kg 01/04/23 09:33 01/13/23 13:06 PCB-1254 < 0.109 ť 01/04/23 09:33 01/13/23 13:06 0.109 mg/Kg PCB-1260 <0.109 0.109 01/04/23 09:33 01/13/23 13:06 mg/Kg PCB-1268 < 0.109 01/04/23 09:33 01/13/23 13:06 0.109 mg/Kg

Eurofins Cedar Falls

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2/1/2023

Client Sample Results

Client: Clayton County Recycling Job ID: 310-247323-1

Project/Site: 122922 AM

Client Sample ID: 122922 AM Lab Sample ID: 310-247323-1

Date Collected: 12/29/22 00:00 Matrix: Solid Date Received: 01/03/23 09:00

Percent Solids: 67.6

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	10 p	10 - 149	01/04/23 09:33	01/13/23 13:06	1
Tetrachloro-m-xylene	39	10 - 147	01/04/23 09:33	01/13/23 13:06	1

letrachioro-m-xylene	39		10 - 147				01/04/23 09:33	01/13/23 13:06	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	<740		740		mg/Kg	*	01/23/23 13:53	01/24/23 23:25	1

(SW846 9023)

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-247323-1

Project/Site: 122922 AM

Client Sample ID: 122922 AM

Analysis

D92

Date Collected: 12/29/22 00:00 Date Received: 01/03/23 09:00

Lab Sample ID: 310-247323-1

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed 01/04/23 14:00 - 01/05/23 06:15 1 TCLP Leach 1311 376064 FK4Z EET CF **TCLP** Prep 3510C 376141 Y6AF EET CF 01/05/23 09:19 **TCLP** Analysis 8082A 1 376653 D2YP EET CF 01/12/23 13:21 **TCLP** Leach 1311 376061 FK4Z EET CF 01/04/23 14:00 - 01/05/23 06:15 1 **TCLP** Prep 3010A 376140 QTZ5 EET CF 01/05/23 09:30 6010D TCLP Analysis 3 376483 ZRI4 EET CF 01/09/23 15:25 **TCLP** Leach 1311 376061 FK4Z EET CF 01/04/23 14:00 - 01/05/23 06:15 1 TCLP 7470A 376167 XXW3 EET CF 01/05/23 10:54 Prep **TCLP** 7470A 376283 DHM5 EET CF 01/06/23 13:36 Analysis EET CF Soluble Leach DI Leach 375958 DGU1 01/03/23 10:06 9045D W9YR EET CF Soluble Analysis 375981 01/03/23 12:29 Total/NA Analysis D240-87 87357 PSC **EET HOU** 01/25/23 14:52

Client Sample ID: 122922 AM Lab Sample ID: 310-247323-1

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376097 V7KD

EET CF

01/04/23 15:44

Date Collected: 12/29/22 00:00 **Matrix: Solid** Date Received: 01/03/23 09:00 Percent Solids: 67.6

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3546			376043	GW4G	EET CF	01/04/23 09:33
Total/NA	Analysis	8082A		1	376709	D2YP	EET CF	01/13/23 13:06
Total/NA	Prep	3546			376043	GW4G	EET CF	01/04/23 09:33
Total/NA	Analysis	8082A		5	378179	BW2O	EET CF	02/01/23 12:47
Total/NA	Prep	9023			86988	ADL	EET HOU	01/23/23 13:53
Total/NA	Analysis	9023		1	87242	ADL	EET HOU	01/24/23 23:25

¹ Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

Total/NA

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Cedar Falls

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2/1/2023

Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-247323-1

Project/Site: 122922 AM

Qualifiers

GC Semi VOA

Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.			
n	Listed under the "D" column to designate that the result is reported on a dry weight basis			
%R	Percent Recovery			
CFL	Contains Free Liquid			
CFU	Colony Forming Unit			
CNF	Contains No Free Liquid			
DER	Duplicate Error Ratio (normalized absolute difference)			
Dil Fac	Dilution Factor			

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** Limit of Detection (DoD/DOE) LOD LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

2/1/2023

Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: 122922 AM
Job ID: 310-247323-1

Laboratory: Eurofins Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-23
Georgia	State	IA100001 (OR)	09-29-23
Illinois	NELAP	200024	11-29-23
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-23
Oregon	NELAP	IA100001	09-29-23

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-23
Florida	NELAP	E871002	06-30-23
Louisiana	NELAP	03054	06-30-23
Louisiana (All)	NELAP	03054	06-30-23
Oklahoma	State	1306	08-31-23
Texas	NELAP	T104704215-22-48	06-30-23
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	P330-22-00025	03-02-23

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Method Summary

Client: Clayton County Recycling

Project/Site: 122922 AM

Job ID: 310-247323-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9023	Organic Halides, Extractable (EOX)	SW846	EET HOU
9045D	рН	SW846	EET CF
D240-87	Heat of Combustion	ASTM	EET HOU
D92	Flashpoint	ASTM	EET CF
1311	TCLP Extraction	SW846	EET CF
3010A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3546	Microwave Extraction	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
9023	Preparation, EOX	SW846	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET CF

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

🚜 eurofins

Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information						
Client: (auton	County					
City/State:		STATE	Project:			
Receipt Information	4		ব	t .		
Date/Time Control Cont	3/23	0750	Received By:	<u> </u>		
Delivery Type: DUPS	☐ FedEx	x	☐ FedEx Gro	und 🔲 U	IS Mail	☐ Spee-Dee
	Courier 🗌 Lab F	ield Services	Client Drop	-off C	other:	
Condition of Cooler/Conta	iners				*	
Sample(s) received in Co	ooler? XYes	No)	If yes: Coole	er ID:		
Multiple Coolers?	Yes			er#of		
Cooler Custody Seals Pr No				er custody sea		
Sample Custody Seals P No	resent?	No	<i>If yes:</i> Samp	ole čustody sea	als intact?	Yes 🗌
Trip Blank Present?	☐ Yes	E No	If yes: Whic	n VOA sample	s are in coo	ler? ↓
Temperature Record		9			· <u> </u>	
Coolant:	☐ Blue ice	☐ Dry ice	Other:_		X_NC	NE
Thermometer ID:			Correction Fa			
 Temp Blank Temperatur 	e – If no temp blank,	or temp blank ter	mperature above o	riteria, proceed to	Sample Conta	iner Temperature
Uncorrected Temp (°C):			Corrected Te			
• Sample Container Temp		*		7		4 F
Container(s) used:	CONTAINER 1	,	j .	CONTAINER 2		
Uncorrected Temp (°C):						
Corrected Temp (°C):						
Exceptions Noted	t .				J, E	
If temperature exceed a) If yes: Is there ex		ample(s) recei	•	of sampling?	☐ Yes ☐ Yes	□ No
2) If temperature is <0° (e.g., bulging septa,	broken/cracked b	ottles, frozen	solid?)	sample conta	iners is com	promised?
NOTE: If yes, contact P	M before proceedir	ng. If no, proce	ed with login			
Additional Comments	<u> </u>		3 1		<u>r</u>	
		•				:

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3019 Venture Way

Eurofins Cedar Falls

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Chain of Custody Record

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State, Zip. TX, 77477 Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin isted above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central LLC altertion from the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC. Cedar Falls, 1A 50613 Phone: 319-277-2401 Fax: 319-277-2425 Project Name: 122922 AM Client Information (Sub Contract Lab) Sample Identification Client ID (Lab ID) Eurofins Environment Testing South Centr telinquished by telinquished by: mpty Kit Relinquished by Deliverable Requested: I II III IV Other (specify) Possible Hazard Identification 122922 AM (310-247323-1) Stafford 4145 Greenbriar Dr Shipping/Receiving .81-240-4200(Tel) elinquished by: Custody Seals Intact: Yes Z Fully Custody Seal No Project # 31001320 Date/Time Sampler Phone: Primary Deliverable Rank: 1 PO #: Due Date Requested: 1/31/2023 Date/Time: NO# TAT Requested (days): 621 Sample Date 12/29/22 1200 Date: Central Sample Time (C=comp, G=grab) Туре Sample Preservation Code: Company Company Company W=water, S=solid, Matrix Solid Matthew Hummel@et.eurofinsus.com Lab PM: Hummel Matthew R Ime Field Filtered Sample (Yes or No) Accreditations Required (See note): Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monte Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by: 9023/9023_Prep EOX Cooler Temperature(s) °C and Temp: × × D240_87_NP Analysis Requested C/F-+0.3 1 6 Corrected Temp: \ Q lowa State of Origin: Carrier Tracking No(s). Method of Shipment: IR ID:HOU-343 Date/Time: /z3 Total Number of containers _ C Zn Acetate
D Nifric Acid
E NaHSO4
F MeOH
G Amchior
H Ascerbic Acid
I Ice
J DI Water
K EDTA
L EDA COC No: 310-57426.1 Page: Page 1 of 1 11 III □ C 00 ≯ Preservation Codes: 310-247323-NaOH 된 Special Instructions/Note: 6 < ⊂ ⊣ ⊘ ౫ ⊘ ×≺≶ Ver: 06/08/2021 W Hexane
V None
D AsNa02
D AsNa02
D As2033
D As2503
R Na25203
R Na25203
R H2SQ4
F H2SQ4
F H2SQ4
J Accoma pH 4-5 Trizma other (specify) Months

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247323-1

Login Number: 247323 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Answer	Comment
N/A	
N/A	
N/A	
True	
False	Not received in a cooler
False	Cooler temperature outside required temperature criteria.
N/A	
True	
N/A	
	N/A N/A N/A N/A True False False N/A True True

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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-247323-1

Login Number: 247323 List Source: Eurofins Houston
List Number: 2 List Creation: 01/05/23 08:04 PM

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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